EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	736	"320".clas. and LED same switch	US-PGPUB; USPAT	OR	ON	2010/02/27 19:27
L14	725	13 and battery	US-PGPUB; USPAT	OR	ON	2010/02/27 19:27
L15	568	"320".clas. and (LED same switch same battery)	US-PGPUB; USPAT	OR	ON	2010/02/27 19:27
L16	6	320/131.ccls. and (LED same switch same battery)	US-PGPUB; USPAT	OR	ON	2010/02/27 19:28
L17	33	((AKIHIRO) near2 (TANIGUCHI)). INV.	US-PGPUB; USPAT	OR	ON	2010/02/27 19:57
L18	34	((TOSHIHIKO) near2 (ICHINOSE)). INV.	US-PGPUB; USPAT	OR	ON	2010/02/27 19:57
S1	2599	320/134,136,150,152,154.ccls. or 324/433,435,441.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/19 11:21
S2	244	S1 and (lithium same battery) and ((measur$3 or sens$3 or detect$) near temperature) and ((measur$3 or sens$3 or detect$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 11:22
S3	3	S2 and (forc$4 near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/19 11:23
S4	14	("3599071" | "5563496" | "5581170" | "5619430" | "5703466" | "5731685" | "5760570" | "5828202" | "5864224" | "5990663" | "6118255" | "6163131" | "6184659" | "6322921").PN. OR ("6925400").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 11:31
S5	12	("3599071" | "5563496" | "5581170" | "5619430" | "5703466" | "5731685" | "5828202" | "5864224" | "6118255" | "6184659" | "6322921").PN. OR ("6714882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 11:39
S6	2	("5539318" | "5703465").PN. OR ("6008626").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 11:42
S7	31	S1 and (forc$4 near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/19 11:43
S8	2	jp-2000270494-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S9	2	jp-09298844-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S10	2	jp-2002056900-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47

S11	2	jp-2000078250-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S12	0	S2 and memory and "display."	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:50
S13	75	S2 and memory and display	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:50
S14	12	(forc$4 near discharge) and (lithium same battery) and ((measur$3 or sens $3 or detect$) near temperature) and ((measur$3 or sens$3 or detect$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:38
S15	12	("3599071" | "5563496" | "5581170" | "5619430" | "5703466" | "5731685" | "5828202" | "5864224" | "6118255" | "6184659" | "6322921").PN. OR ("6714882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 12:39
S16	407	(battery near discharge) and (lithium same battery) and ((measur$3 or sens $3 or detect$) near temperature) and ((measur$3 or sens$3 or detect$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:41
S17	56	(lithium same battery) and ((battery near discharge) same ((measur$3 or sens$3 or detect$) near temperature)) and ((measur$3 or sens$3 or detect$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:42
S18	24	S17 and (display or lcd)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:43
S19	32	S17 not S18	US-PGPUB; USPAT	OR	ON	2008/08/19 12:48
S20	0	(forc$4 near discharge) and "3200". clas.	US-PGPUB; USPAT	OR	ON	2008/08/19 12:52
S21	69	(forc$4 near discharge) and "320". clas.	US-PGPUB; USPAT	OR	ON	2008/08/19 12:52
S22	27	S21 and voltage and temperature	US-PGPUB; USPAT	OR	ON	2008/08/19 12:53
S23	742	("320".clas. or "324".clas.) and (display same (maintenance discharging))	US-PGPUB; USPAT	OR	ON	2008/08/19 13:02
S24	202	S23 and (temperature same voltage same discharg$4)	US-PGPUB; USPAT	OR	ON	2008/08/19 13:02
S25	54	S24 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/19 13:02
S26	298	("320".clas. or "324".clas.) and (lithium same discharge) and (temperature same voltage) and (display or notification of indicator)	US-PGPUB; USPAT	OR	ON	2008/08/19 13:24
S27	182	S26 and memory	US-PGPUB; USPAT	OR	ON	2008/08/19 13:26

S28	16	("5703463" | "5825155" | "5850136" | "5903131" | "5963019" | "5986865" | "5998967" | "6020722" | "6031302" | "6046575" | "6051954").PN. OR ("6268713").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 14:02
S29	72	("320".clas. or "324".clas.) and (switch near discharge) and (temperature same voltage) and (display or notification of indicator)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:10
S30	0	((switch of forced or self) near discharge) and (overvoltage) and (first adj temperature) and (lithium adj battery)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:20
S31	0	((switch of forced or self) near discharge) and (overvoltage) and (first adj temperature) and (lithium)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:20
S32	8	((switch of forced or self) near discharge) and (first adj voltage) and (first adj temperature) and (lithium)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:20
S33	2	320/134,136,150,152,154.ccls. and (lithium same (fault or abnormal) same (display or lcd))	US-PGPUB; USPAT	OR	ON	2008/08/19 16:03
S34	36	320/134,136,150,152,154.ccls. and ((fault or abnormal) same (display or lcd))	US-PGPUB; USPAT	OR	ON	2008/08/19 16:03
S35	40	((YASUAKI) near2 (MAKINO)).INV.	US-PGPUB; USPAT	OR	ON	2008/08/19 17:19
S36	4993	lithium and (nickel adj oxide)	US-PGPUB; USPAT	OR	ON	2008/08/19 17:20
S37	2403	lithium same (nickel adj oxide)	US-PGPUB; USPAT	OR	ON	2008/08/19 17:20
S38	968	lithium same (nickel adj oxide) same electrode	US-PGPUB; USPAT	OR	ON	2008/08/19 17:20
S39	86	(lithium near battery) same (nickel adj oxide) same electrode	US-PGPUB; USPAT	OR	ON	2008/08/19 17:21
S40	3	S39 and (LCD or display)	US-PGPUB; USPAT	OR	ON	2008/08/19 17:21
S41	49	memory same (forced adj discharge)	US-PGPUB; USPAT	OR	ON	2008/08/19 18:08
S42	5	S41 and battery	US-PGPUB; USPAT	OR	ON	2008/08/19 18:08
S43	5	(forc$4 adj discharge) near (end$3 or finish$3 or complet$3) same (indicat $3 or notificat$3 or display$3 or LCD)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:11
S44	67	(forc$4 adj discharge) and (end$3 or finish$3 or complet$3) near (indicat $3 or notificat$3 or display$3 or LCD)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:12
S45	333	"320".clas. and (end$3 or finish$3 or complet$3) near (indicat$3 or notificat $3 or display$3 or LCD)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:14
S46	109	S45 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/20 10:15

S47	32	S46 and ((forc$3 or self or switch$3) near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:15
S48	0	"320".clas. and ((forc$3 or self or switch$3) near discharge) same (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:20
S49	6	"320".clas. and ((forc$3 or self or switch$3) near discharge) and (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:20
S50	1	lithium same ((forc$3 or self or switch$3) near discharge) and (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:21
S51	7	"320".clas. and (discharge) same (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:22
S52	7	"320".clas. and (maintenance or service) same (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:25
S53	80	"320".clas. and (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:28
S54	19	S53 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/20 10:30
S55	2901	(battery adj pack) same display	US-PGPUB; USPAT	OR	ON	2008/08/20 10:45
S56	621	S55 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/20 10:45
S57	215	S56 and (measur$3 or detect$3 or sens$3) near voltage	US-PGPUB; USPAT	OR	ON	2008/08/20 10:45
S58	110	S57 and (measur$3 or detect$3 or sens$3) near temperature	US-PGPUB; USPAT	OR	ON	2008/08/20 10:46
S59	26	S58 and ((forc$3 or self or switch$3) near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:46
S60	163	(notif$8 or display$3) same (forc$4 near discharg$3)	US-PGPUB; USPAT	OR	ON	2009/01/05 15:32
S61	10	S60 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/01/05 15:32
S62	4	S60 and "324".clas.	US-PGPUB; USPAT	OR	ON	2009/01/05 16:20
S63	1	"10581554"	US-PGPUB; USPAT	OR	ON	2009/01/16 18:34
S64	9	(forc$5 near discharg$3) same (battery) same (notif$8 or display or LCD)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:29
S65	26	(forc$5 near discharg$3) same (notif $8 or display or LCD) and (battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:33
S66	754	((notif$8 or display or LCD) near power$4) near3 (battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:43
S67	34	S66 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/01/16 19:43
S68	9	S67 and (battery adj pack)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:43
S69	25	S67 not S68	US-PGPUB; USPAT	OR	ON	2009/01/16 19:45

S70	774	((notif$8 or display or LCD)) near3 (battery near powered)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:56
S71	575	((notif$8 or display or LCD)) near3 (battery adj powered)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:56
S72	40	S71 and (battery adj pack)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:56
S73	10	"320".clas. and (display same li-ion)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:01
S74	120	"320".clas. and (display same lithium)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S75	2	"320".clas. and (display near3 lithium)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S76	5	"320".clas. and (display near4 lithium)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S77	1189	"320".clas. and (display near4 battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S78	20	"320".clas. and (powered near3 display near4 battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S79	53	("3660759" | "3992228" | "4289836" | "4702563" | "4702564" | "4716354" | "4910630" | "4962347" | "5015544" | "5032825" | "5156931" | "5188869" | "5206097" | "5216371" | "5223003" | "5248929" | "5250905" | "5389458" | "5458992" | "5464709" | "5478665" | "5491038" | "5494496" | "5537024" | "5541489" | "5541490" | "5557188" | "5565759" | "5596278" | "5600230" | "5606242" | "5607790" | "5645949" | "5654640" | "5731686" | "5737114" | "5747189" | "5760588" | "5789100" | "5825156" | "5841285" | "5849046" | "5856040" | "5990664" | "5999410").PN. OR ("6483275"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 20:04
S80	3	(lithium same (forc$5 near discharged)) and (notification or display)	US-PGPUB; USPAT	OR	ON	2009/04/20 16:24
S81	0	(li-ion same (forc$5 near discharged)) and (notification or display)	US-PGPUB; USPAT	OR	ON	2009/04/20 16:25
S82	3	(lithium same (forc$5 near discharged)) and (notification or display or LCD)	US-PGPUB; USPAT	OR	ON	2009/04/20 16:25
S83	33	((battery or cell) same (forc$5 near discharged)) and (notification or display or LCD)	US-PGPUB; USPAT	OR	ON	2009/04/20 16:26
S84	23	((battery or cell) same (forc$5 near discharged)) and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/04/20 16:42
S85	128	((battery or cell) same (forc$5 near discharged))	US-PGPUB; USPAT	OR	ON	2009/04/20 17:10
S86	105	S85 not S84	US-PGPUB; USPAT	OR	ON	2009/04/20 17:10

S87	33	S86 and lithium	US-PGPUB; USPAT	OR	ON	2009/04/20 17:10
S88	33	(battery same (forc$6 near discharg $3)) and (battery same (notif$5 or display))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:17
S89	1630	(battery same power near (notif$5 or display))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:29
S90	3	S89 and (forc$6 near discharg$3)	US-PGPUB; USPAT	OR	ON	2009/04/22 17:29
S91	665	(display near3 battery near3 powered)	US-PGPUB; USPAT	OR	ON	2009/04/22 17:38
S92	45	S91 and (battery same (refreshed or discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:38
S93	1298	(battery adj pack) and (battery near3 display)	US-PGPUB; USPAT	OR	ON	2009/04/22 17:40
S94	448	S93 and (battery same (refreshed or discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:40
S95	15	S93 and (battery same (refreshed))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:41
S96	187	(display near battery near (power or charge or electri$7))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:43
S97	39	S96 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/04/22 17:43
S98	947	battery adj3 power adj3 display	US-PGPUB; USPAT	OR	ON	2009/04/22 17:44
S99	101	S98 and (battery same (refreshed or discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:44
S100	0	S98 and (battery same (forc$7 near3 discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:44
S101	10	S98 and (battery same (refreshed))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:45
S102	59	S98 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/04/22 17:45
S103	5	"6456041"	US-PGPUB; USPAT	OR	ON	2009/04/22 18:03
S104	93	320/131.ccls.	US-PGPUB; USPAT	OR	ON	2010/02/27 16:06
S105	7	("5826958" | "5982146" | "6163131" | "6239578").PN. OR ("6433511"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/27 16:16
S106	17	("3796940" | "4281278" | "4302714" | "4742289" | "4755733").PN. OR ("5355072").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/27 16:22
S107	49	"320".clas. and (forc$4 with discharg $4) and lithium and display	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/27 16:24

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